

## **Summary**

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The present study was carried out to investigate the analgesic activity of methylene blue (625 mg/kg) and vanadyl sulfate (150 mg/kg) using Acetic acid induce Writhing and Hot plate methods. The test and standard drugs (Ibuprofen (100 mg/kg) significantly ( $p < 0.05$ ) reduced the number of abdominal constriction and stretching of hind limb induce by the injection of acetic acid in a dose dependent manner. The Hot plate test useful in the elucidating centrally mediated antinociceptive responses, which focused mainly on changes above the spinal cord level. All the test and standard drugs significantly ( $p < 0.05$ ) reduced the pain as compare to the control group.